

What is claimed is:

1. An authentication object image pick-up device comprising:

a face image pick-up device for picking up a face image of a person to be authenticated;

5 an eye image pick-up device being pointed at a direction of an eye of the authenticated person obtained by analyzing the face image of the authenticated person picked up by the face image pick-up device, and picking up an eye image of the person;

10 a monitoring image pick-up device for picking up an image of a circumference of places in which the face image pick-up device and the eye image pick-up device are provided; and

a control section for analyzing the image picked up  
15 by the monitoring image pick-up device and starting an image pick-up operation of the face image pick-up device when detecting that the authenticated person enters a shooting range of the face image pick-up device.

2. An authentication object image pick-up device comprising:

an eye image pick-up device for picking up an eye image of a person to be authenticated;

5 a monitoring image pick-up device for picking up an image of a circumference of a place in which the eye image

pick-up device is provided; and

10 a control section for analyzing the image picked up  
by the monitoring image pick-up device and starting an  
image pick-up operation of the eye image pick-up device  
when detecting that the authenticated person enters a  
shooting range of the eye image pick-up device.

3. The authentication object image pick-up device  
according to Claim 1,

5 wherein the control section extracts an iris  
feature pattern or a retina feature pattern from the eye  
image.

4. The authentication object image pick-up device  
according to Claim 2,

5 wherein the control section extracts an iris  
feature pattern or a retina feature pattern from the eye  
image.

5. An authentication object image pick-up device  
comprising:

a face image pick-up device for picking up a face  
image of a person to be authenticated;

5 a monitoring image pick-up device for picking up an  
image of a circumference of a place in which the face image  
pick-up device is provided; and

a control section for analyzing the image picked up by the monitoring image pick-up section and starting an  
10 image pick-up operation of the face image pick-up device when detecting that the authenticated person enters a shooting range of the face image pick-up device.

6. The authentication object image pick-up device according to Claim 5,

wherein the control section extracts a face feature pattern from the face image.

7. The authentication object image pick-up device according to Claim 3,

wherein the control section monitors the image picked up by the monitoring image pick-up device and  
5 extracts the feature pattern from an authentication object image picked up at the moment that the image of the authenticated person becomes stationary.

8. The authentication object image pick-up device according to Claim 4,

wherein the control section monitors the image picked up by the monitoring image pick-up device and  
5 extracts the feature pattern from an authentication object image picked up at the moment that the image of the authenticated person becomes stationary.

9. The authentication object image pick-up device according to Claim 6,

wherein the control section monitors the image picked up by the monitoring image pick-up device and  
5 extracts the feature pattern from an authentication object image picked up at the moment that the image of the authenticated person becomes stationary.

10. The authentication object image pick-up device according to any of Claims 1 to 9,

wherein the control section decides a stationary object in the shooting range as a authenticated person when  
5 images of a plurality of moving objects are present in the image picked up by the monitoring image pick-up device.

11. An authentication object image pick-up method comprising the steps of:

analyzing an image picked up by a monitoring image pick-up device for picking up an image of a circumference  
5 of a place in which a face image pick-up device for picking up a face image of a person to be authenticated is provided;

starting an image pick-up operation of the face image pick-up device when detecting that the authenticated  
10 person enters a shooting range of the face image pick-up

means;

pointing an eye image pick-up device at a direction of an eye of the authenticated person obtained by analyzing the face image picked up by the face image pick-up device;

15 and

picking up an eye image of the authenticated person.

12. An authentication object image pick-up method comprising the steps of:

analyzing an image picked up by a monitoring image pick-up device for picking up an image of a circumference  
5 of a place in which an eye image pick-up device for picking up an eye image of a person to be authenticated is provided;

starting an image pick-up operation of the eye image pick-up device when detecting that the authenticated  
10 person enters a shooting range of the eye image pick-up device.

13. The authentication object image pick-up method according to Claim 11,

wherein an iris feature pattern or a retina feature pattern is extracted from the eye image.

14. The authentication object image pick-up method

according to Claim 12,

wherein an iris feature pattern or a retina feature pattern is extracted from the eye image.

15. An authentication object image pick-up method comprising the steps of:

analyzing an image picked up by monitoring an image pick-up device for picking up an image of a circumference of a place in which face an image pick-up device for picking up a face image of a person to be authenticated is provided; and

starting an image pick-up operation of the face image pick-up device when detecting that the authenticated person enters a shooting range of the face image pick-up device.

16. The authentication object image pick-up method according to Claim 15,

wherein a face feature pattern is extracted from the face image.

17. The authentication object image pick-up method according to Claim 13,

wherein the image picked up by the monitoring image pick-up device is monitored, and

wherein the feature pattern is extracted from a

authentication object image picked up at the moment that an image of the authenticated person becomes stationary.

18. The authentication object image pick-up method according to Claim 14,

wherein the image picked up by the monitoring image pick-up device is monitored, and

5 wherein the feature pattern is extracted from a authentication object image picked up at the moment that an image of the authenticated person becomes stationary.

19. The authentication object image pick-up method according to Claim 16,

wherein the image picked up by the monitoring image pick-up device is monitored, and

5 wherein the feature pattern is extracted from a authentication object image picked up at the moment that an image of the authenticated person becomes stationary.

20. The authentication object image pick-up method according to any of Claims 11 to 19,

wherein when images of a plurality of moving objects are present in the image picked up by the monitoring image pick-up device, the stationary object in  
5 the shooting range is set to be the authenticated person.